

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P316182

Luminaire Tested: **GAN-SA8D-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316182
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8D-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65499 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

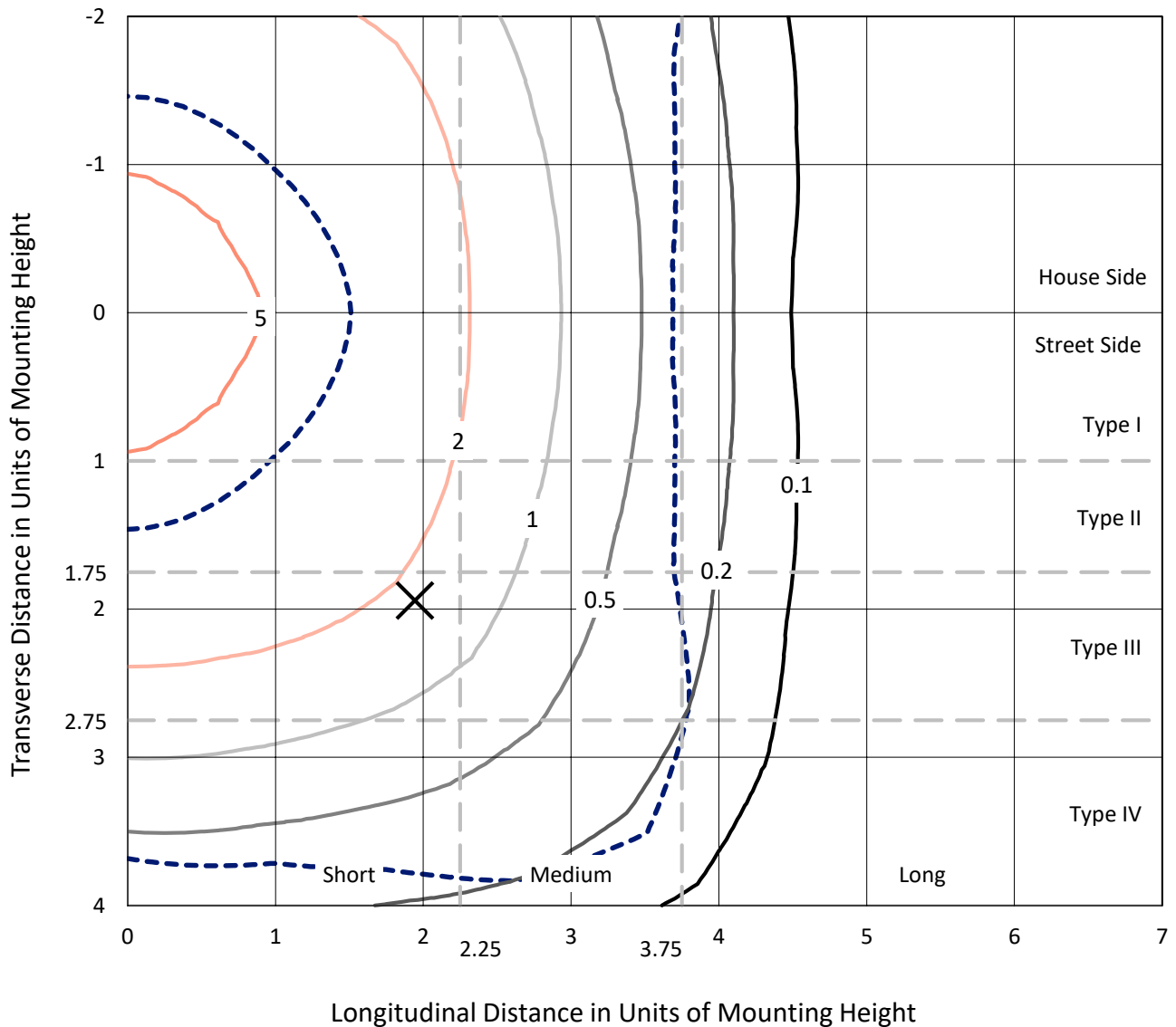
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

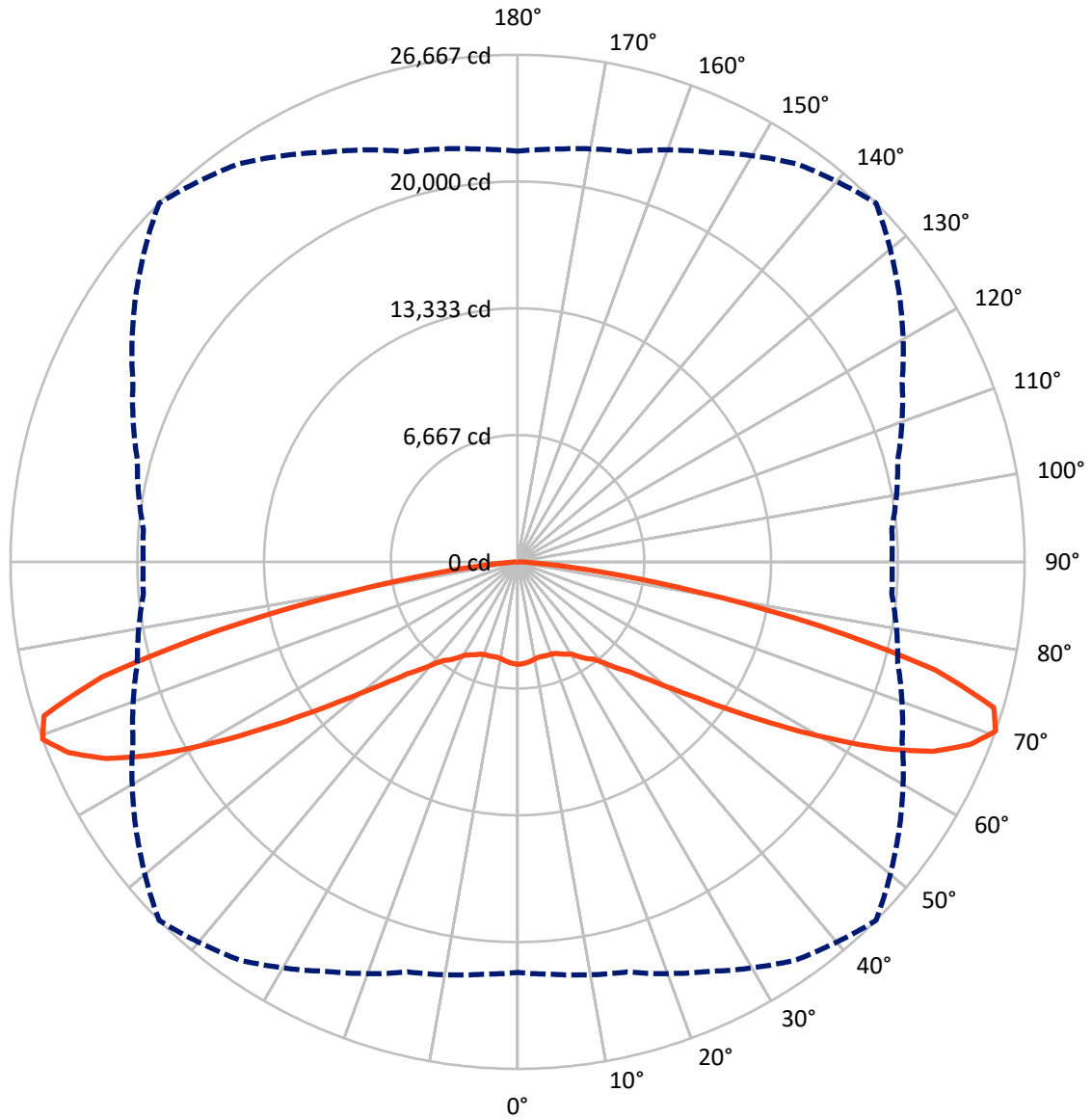
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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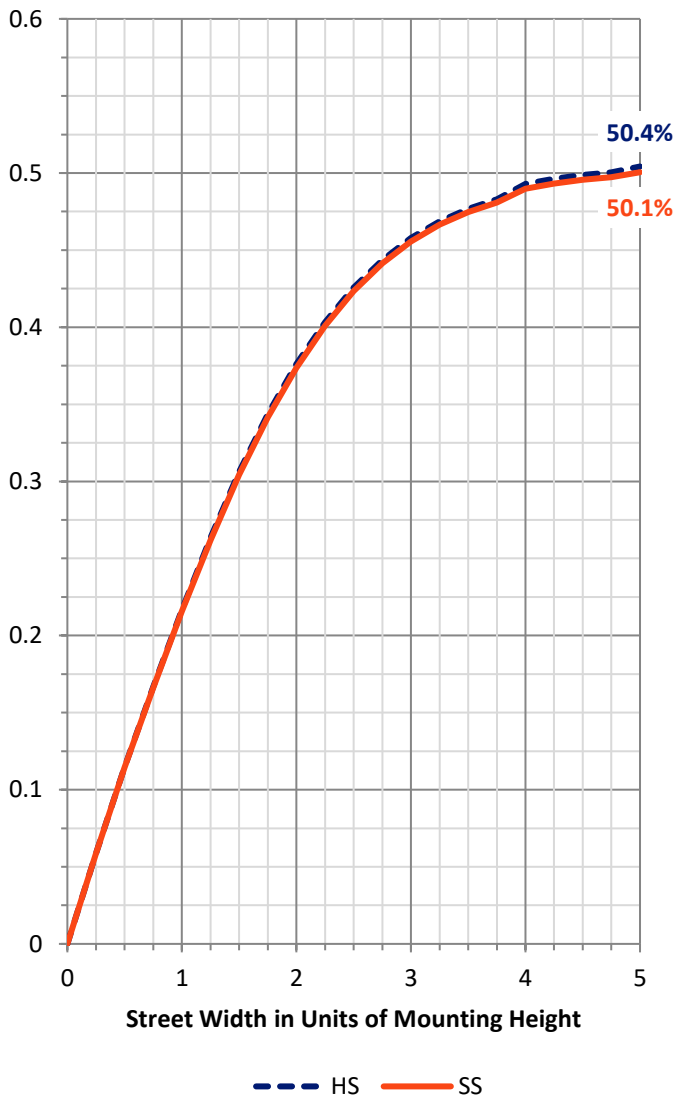
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32749.5	0.0	32749.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32749.5	0.0	32749.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	65499.0	0.0	65499.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.1	0.8
10°-20°	1469.6	2.2
20°-30°	2505.7	3.8
30°-40°	3915.2	6.0
40°-50°	6635.4	10.1
50°-60°	12100.1	18.5
60°-70°	20831.1	31.8
70°-80°	16328.2	24.9
80°-90°	1210.7	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	65499.0	100.0
0°-180°	65499.0	100.0

Coefficient of Utilization

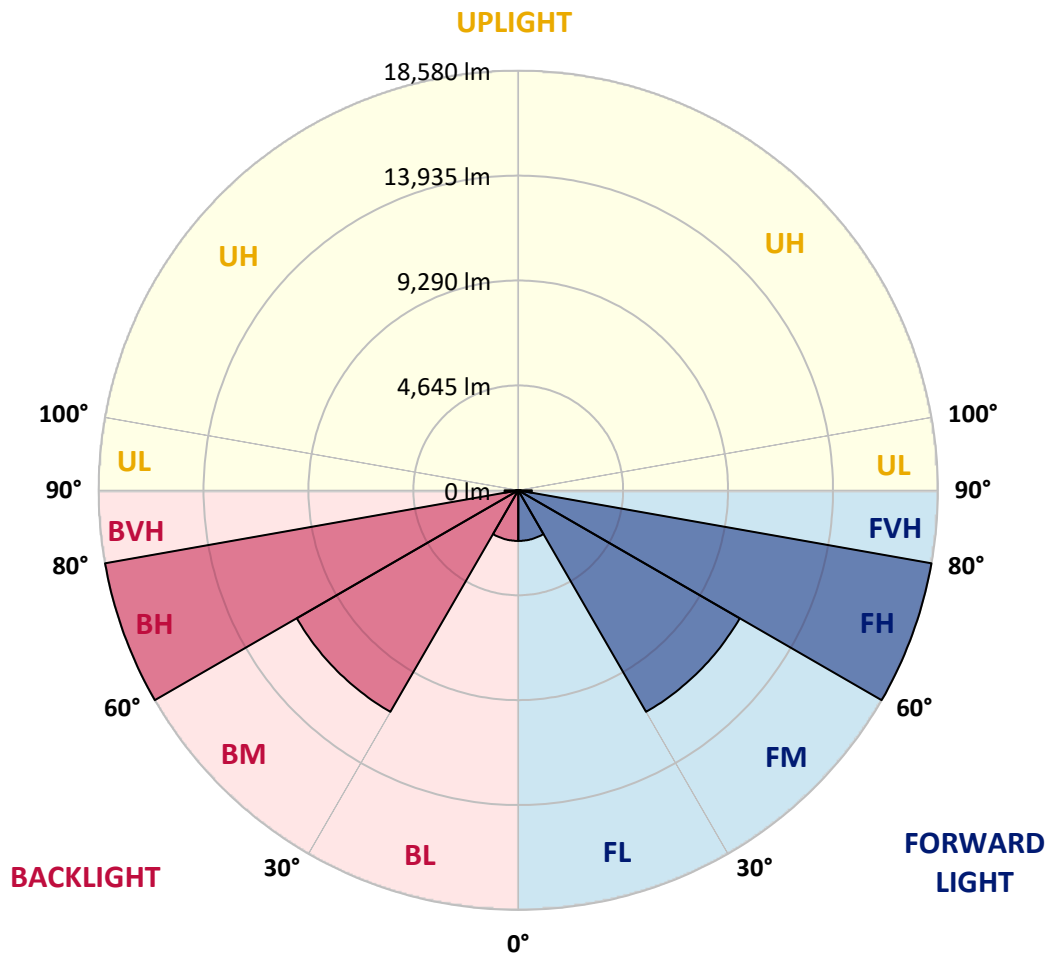


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2239.2	3.4			
FM (30°-60°)	11325.3	17.3			
FH (60°-80°)	18579.6	28.4			G5
FVH (80°-90°)	605.4	0.9			G4/750
BL (0°-30°)	2239.2	3.4	B3/2500		
BM (30°-60°)	11325.3	17.3	B5		
BH (60°-80°)	18579.6	28.4	B5		G5
BVH (80°-90°)	605.4	0.9			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5390.6	5390.6	5390.6	5390.6	5390.6	5390.6	5390.6	5390.6	5390.6	5390.6	5390.6
2.5°	5366.7	5373.2	5366.7	5371.1	5360.2	5364.6	5364.6	5364.6	5362.4	5364.6	5360.2
5°	5319.1	5323.4	5314.7	5319.1	5312.6	5319.1	5321.2	5319.1	5314.7	5316.9	5308.2
7.5°	5247.6	5251.9	5245.4	5251.9	5243.2	5254.1	5251.9	5245.4	5238.9	5238.9	5230.2
10°	5208.6	5210.7	5193.4	5186.9	5167.4	5171.7	5178.2	5184.7	5191.2	5204.2	5202.1
12.5°	5210.7	5210.7	5184.7	5156.6	5128.4	5134.9	5145.7	5169.6	5195.6	5219.4	5221.6
15°	5232.4	5230.2	5191.2	5145.7	5126.2	5145.7	5152.2	5167.4	5208.6	5249.7	5251.9
17.5°	5247.6	5247.6	5186.9	5134.9	5132.7	5163.1	5160.9	5167.4	5212.9	5273.6	5275.7
20°	5275.7	5275.7	5197.7	5141.4	5141.4	5173.9	5176.1	5186.9	5232.4	5299.6	5310.4
22.5°	5338.6	5340.7	5258.4	5212.9	5217.2	5236.7	5243.2	5260.6	5301.7	5375.4	5388.4
25°	5427.4	5431.7	5347.2	5321.2	5336.4	5373.2	5368.9	5381.9	5427.4	5498.9	5511.9
27.5°	5550.9	5540.1	5462.1	5451.2	5466.4	5492.4	5490.2	5492.4	5529.2	5594.2	5609.4
30°	5711.2	5706.9	5650.6	5657.1	5650.6	5641.9	5644.1	5661.4	5680.9	5732.9	5748.1
32.5°	5867.2	5871.6	5836.9	5869.4	5917.1	5949.6	5899.7	5852.1	5830.4	5858.6	5871.6
35°	6148.9	6159.7	6105.6	6083.9	6148.9	6244.2	6103.4	6025.4	6068.7	6105.6	6116.4
37.5°	6627.7	6634.2	6543.2	6456.6	6408.9	6499.9	6359.1	6365.6	6517.2	6586.6	6584.4
40°	7173.7	7175.9	7115.2	7039.4	6957.1	6978.7	6922.4	6939.7	7039.4	7102.2	7119.5
42.5°	7823.7	7817.2	7721.9	7613.5	7589.7	7611.4	7516.0	7503.0	7617.9	7730.5	7732.7
45°	8666.5	8651.4	8527.9	8408.7	8293.9	8246.2	8222.4	8285.2	8443.4	8547.4	8549.5
47.5°	9574.3	9533.2	9468.2	9372.8	9273.2	9225.5	9186.5	9216.8	9331.7	9372.8	9377.2
50°	10508.2	10516.8	10529.8	10493.0	10456.2	10441.0	10339.2	10280.7	10315.3	10239.5	10228.7
52.5°	11615.3	11632.6	11758.3	11864.5	11927.3	11959.8	11767.0	11565.5	11452.8	11305.5	11262.1
55°	12921.8	12950.0	13134.1	13428.8	13732.1	13892.4	13543.6	13166.6	12817.8	12542.6	12453.8
57.5°	14377.8	14427.6	14681.1	15246.6	15868.4	16247.6	15658.2	14973.6	14299.8	13903.3	13833.9
60°	16085.1	16132.7	16483.7	17294.0	18301.5	18871.4	17978.7	16858.6	16020.1	15640.9	15513.1
62.5°	18117.4	18121.7	18552.9	19499.7	20830.0	21623.0	20414.0	18916.9	18052.4	17595.2	17471.7
65°	20303.5	20314.3	20760.7	21783.3	23159.1	24021.4	22656.5	21096.5	20039.2	19365.3	19270.0
67.5°	21848.3	21893.8	22364.0	23594.6	24881.6	25659.4	24246.8	22483.1	21261.1	20457.3	20377.2
70°	21601.3	21779.0	22331.5	23767.9	25557.6	26666.9	24504.6	22318.5	20706.5	19757.5	19690.3
72.5°	18838.9	19179.0	19915.7	21800.6	24662.8	26190.2	23098.4	19989.3	18165.0	17356.9	17235.5
75°	12828.6	13381.1	14492.6	17211.7	21070.5	22676.0	19445.5	15937.7	14221.8	13103.8	13021.4
77.5°	5719.9	5845.6	7253.9	10384.7	14540.3	16284.4	14128.6	10425.8	7825.9	6242.1	5908.4
80°	1594.6	1614.1	2153.6	3867.4	7277.7	9567.8	7812.9	4062.4	2283.6	1609.8	1516.6
82.5°	507.0	550.3	671.7	1003.1	2446.1	4365.8	2511.1	1083.3	771.3	615.3	554.7
85°	247.0	244.8	340.2	407.3	624.0	966.3	665.2	502.7	439.8	292.5	264.3
87.5°	104.0	106.2	158.2	143.0	182.0	156.0	214.5	225.3	236.2	130.0	112.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)